

AB-PK750

PAK2-pS141 Antibody

Phosphosite-specific polyclonal antibody for monitoring the phosphorylation of human protein-serine/threonine kinase PAK2 (PAKg)

Address: 8755 Ash Street, Suite 1
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Target Protein

Name Long:	p21-activated kinase 2 gamma; Protein-serine/threonine kinase PAK 2
Alias:	C-t-PAK2; Gamma-PAK; Kinase PAK2; P21 protein (Cdc42/Rac)-activated kinase 2; P21-activated kinase 2; p21-activated protein kinase I; P58; PAK 2; PAK-2; S6/H4 kinase; PAK65; CCDS3321.1; Q6ISC3; ENSG00000180370
UniProt ID:	Q13177
Sequence Predicted Mass (KDa):	58.043 (524 AA; Q13177)
Observed SDS-PAGE Mass (KDa):	60-67

Immunogen

Antibody Immunogen Source:	Human PAK2 (PAKg) sequence peptide Cat. No.: PE-04AOJ99
Antibody Immunogen Sequence:	KYL(pS)FTP(bA)C (bA) = beta-alanine
Location in Target:	Corresponds to amino acid residues K138 to P144; In the region between the PBD (p21-binding domain) and the kinase catalytic domain in the N-terminal third of the protein.
Peptide Type:	For phosphosite-specific recognition of target.
Target Phosphosite:	Ser-141

Production

Antibody Host Species:	Rabbit
Antibody Type:	Polyclonal
Antibody Ig Isotype Clone Lot:	Immunoglobulin G
Production Method:	The immunizing peptide was produced by solid phase synthesis on a multipепptide synthesizer and purified by reverse-phase hplc chromatography. Purity was assessed by analytical hplc and the amino acid sequence confirmed by mass spectrometry analysis. This peptide was coupled to KLH prior to immunization into rabbits. New Zealand White rabbits were subcutaneously injected with KLH-coupled immunizing peptide every 4 weeks for 4 months. The sera from each animal was applied onto an agarose column to which the immunogen peptide was thio-linked. Antibody was eluted from the column with 0.1 M glycine, pH 2.5. Subsequently, the antibody solution was neutralized to pH 7.0 with saturated Tris. This antibody was also subject to negative purification over phosphotyrosine-agarose.
Antibody Amount:	25 µg
Antibody Concentration:	1 mg/ml
Lot Number:	150305
Storage Buffer:	Phosphate buffered saline (PBS) pH7.4, 0.05% Thimerasol
Storage Conditions and Stability:	For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles.

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Applications

Product Use:	Western blotting Antibody microarrays
Antibody Dilution Recommended:	2 µg/ml for immunoblotting
Antibody Species Reactivity:	Human, mouse, rat and many other mammals
Antibody Positive Controls:	Very strong immunoreactivity with immunogen peptide on dot blots.
Detection by Immunoblotting in Cell/Tissue Lysates:	Very strong immunoreactivity of a target-sized protein by Western blotting in HepG2 and T98G cells, and human lung.
Overall Antibody Specificity:	High-very high selectivity
Antibody Cross Reactivities:	Strong cross-reactive ~52 and 48 KDa proteins in human lung. No significant cross-reactivities detected in HepG2 and T98G cells.

This product is for in vitro research use only and is not intended for use in humans or animals.

For more information on our products please visit www.kinexusproducts.ca or contact us at 1-866-KINEXUS(546-3987)